

INTERNATIONAL SEARCH REPORT

Internal Application No
PCT/IB 03/04783

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G09G3/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 037 193 A (SONY CORP) 20 September 2000 (2000-09-20) paragraphs '0042!-'0045!, '0054!, '0055!, '0069!-'0075!; figures 1,4,5 ---	1-4,7-9
Y	LEE SEUNG-WOO ET AL: "Pixel arrangement for low-power dot inversion liquid crystal display panels" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 34, no. 16, 6 August 1998 (1998-08-06), pages 1604-1606, XP006010135 ISSN: 0013-5194 paragraphs 'SECONDLAST!-'THIRDLAST!; figures 3,4 ---	6
X	---	1,5,7
Y	---	6
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

21 January 2004

Date of mailing of the International search report

28/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Gundlach, H

INTERNATIONAL SEARCH REPORT

Internal Application No
PCT/IB 03/04783

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 164 567 A (SONY CORP) 19 December 2001 (2001-12-19) paragraph '0031!; figure 1 ---	1-3, 7, 8
A	US 6 335 719 B1 (AN KIL BUM ET AL) 1 January 2002 (2002-01-01) cited in the application figure 5 ---	1
P, X	US 2003/151584 A1 (SONG HONG SUNG ET AL) 14 August 2003 (2003-08-14) figure 5 paragraph '0092!; figure 8 ---	1, 5
Y		6
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 515 (P-1614), 16 September 1993 (1993-09-16) & JP 05 134629 A (FUJITSU LTD), 28 May 1993 (1993-05-28) abstract ----	1-3, 7

INTERNATIONAL SEARCH REPORT

Internal ref.	Application No
PCT/IB 03/04783	

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1037193	A	20-09-2000	JP	2000267634 A		29-09-2000
			JP	2000267067 A		29-09-2000
			EP	1037193 A2		20-09-2000
			TW	521241 B		21-02-2003
			US	2003090452 A1		15-05-2003
			US	6512505 B1		28-01-2003
EP 1164567	A	19-12-2001	JP	2001356740 A		26-12-2001
			EP	1164567 A2		19-12-2001
			NO	20012911 A		17-12-2001
			TW	522367 B		01-03-2003
			US	2003206149 A1		06-11-2003
US 6335719	B1	01-01-2002	KR	2000007618 A		07-02-2000
US 2003151584	A1	14-08-2003	CN	1427391 A		02-07-2003
			DE	10259326 A1		14-08-2003
			FR	2833742 A1		20-06-2003
			GB	2383462 A		25-06-2003
			JP	2003233362 A		22-08-2003
			KR	2003051150 A		25-06-2003
JP 05134629	A	28-05-1993		NONE		